

PIXEL CMOS PROJECT

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MIMOSTAR PROTOTYPE TEST BOARD

MIMOSTAR_PCB2

Technical Documentation Version 0.1

JTAG Cable

Support:

Web address: <http://ireswww.in2p3.fr/ires/recherche/capteurs/index.html>

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Important Information

Warranty:

The MIMOSTAR_PCB2 test board is warranted against defects in material and workmanship for a period of one year from the date of shipment, as evidenced by receipts or other documentation. IReS laboratory will, at its option, repair or replace equipment that proves to be defective during the warranty period. This warranty includes parts and labor.

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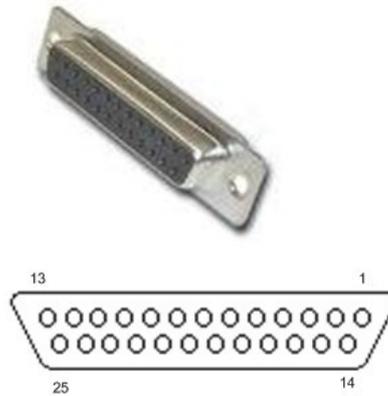
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Wiring Diagram

A wiring diagram of MIMOSTAR JTAG cable for connecting to PC's parallel port

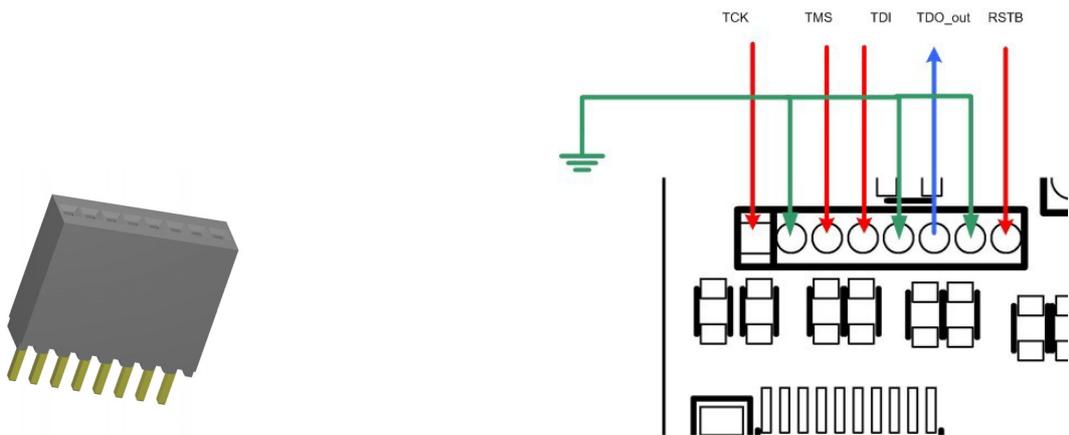
A wiring diagram for PC's Parallel Port (Front view)



Pin	Signal
2	RSTB
3	TDI
4	TCK
5	TMS
10	TDO
18,19,20,21	GND

Connector: Female D-Subminiature (SUBD) DB25 connector for cable connection

A wiring diagram for MIMOSTAR_PCB2

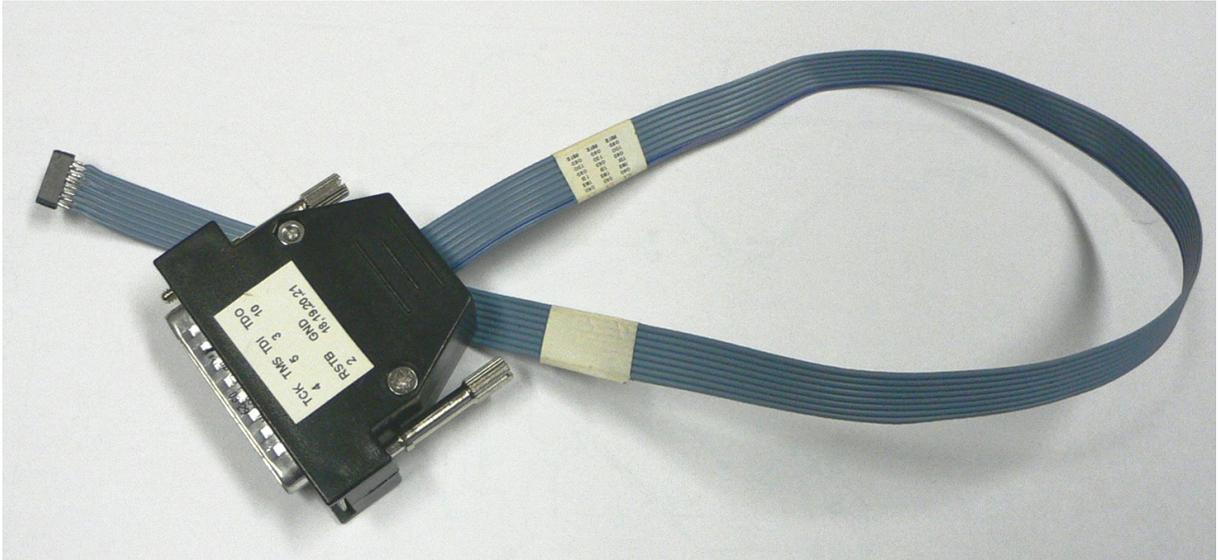


Pin	Signal
1	TCK
2	GND
3	TMS
4	TDI
5	GND
6	TDO
7	GND
8	RSTB

Connector: 8-pin 1.27 mm SIL Socket, e.g. an 8-pin socket based on 40-pin SMS-140-01-S-S Socket of SAMTEC.

A standard ribbon cable can be used for connection, e.g. Molex's 1.27mm Pitch Round Conductor Cable (Molex Part No. 82-28-5508).

JTAG Cable for MIMOSTAR_PCB2



If there are compatibility problems with PC's parallel port the following modifications can be done:

1. Add a 220 ohm resistance between pin 10 (TDO signal) of connector DB25 and the ribbon cable (see the Figure below).
2. Add a bypass capacitor of 10 μ F with a 50 resistance in serial to the pin 2 (RSTB) of connector DB25 as shown in Figure below.

